



Combat Ready Clamp™





Combat Ready ClampTM

- Medic/Corpsman carried device
- Aidbag-based
 - Partially broken down
 - 1.5 lbs





Assembly of the CRoC



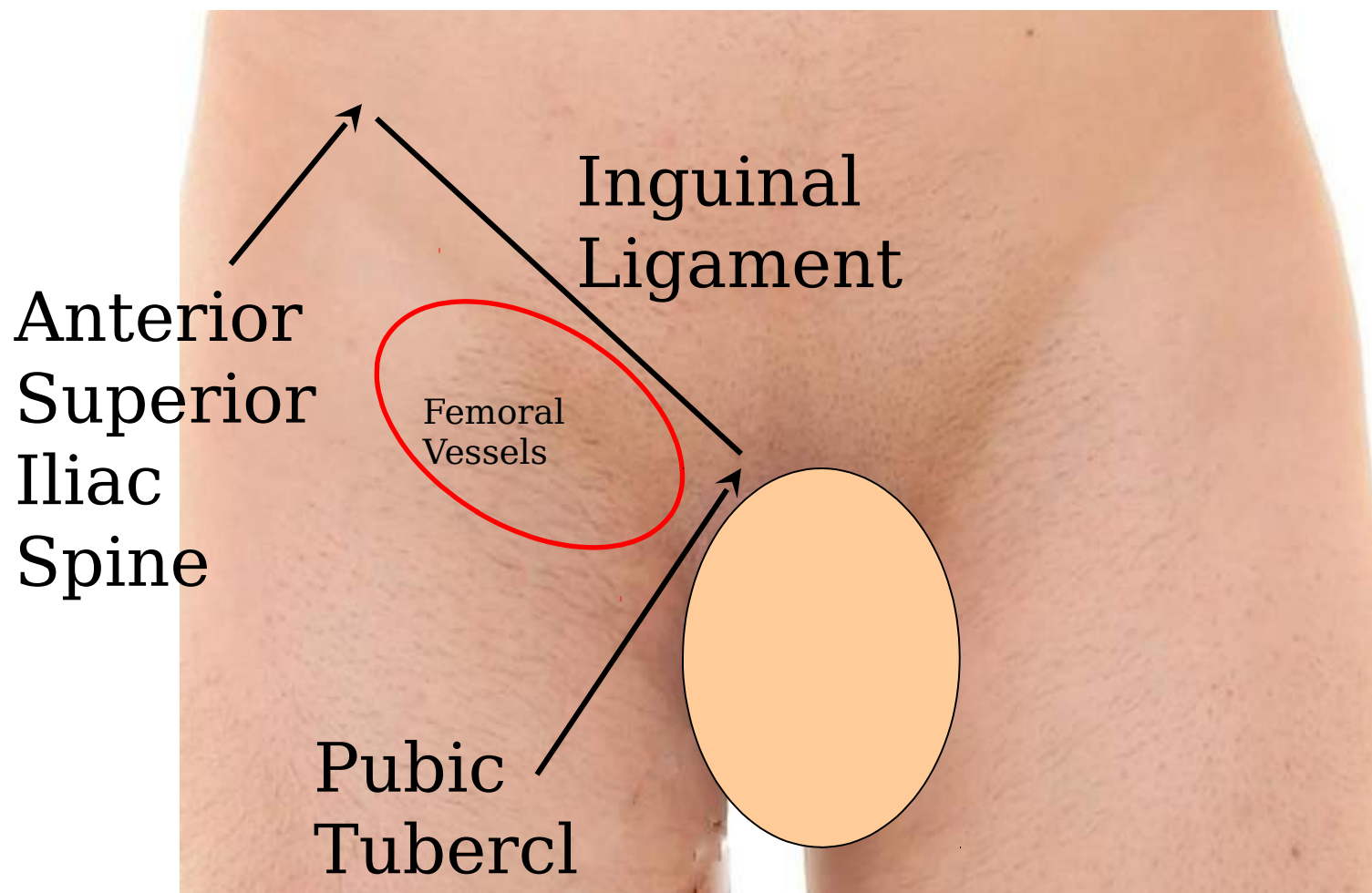


FDA-Approved CRoC Application Points

- The Combat Ready Clamp is indicated for use on the battlefield to control difficult bleeds in the inguinal area.
(FDA approved indication)
- **Note: The CRoC should NOT be applied above the inguinal ligament.**
- There are two modes of use for the CRoC:
 - Direct pressure: Use directly on the site of external hemorrhage for bleeding sites below the inguinal ligament
 - Proximal Pressure: Use at or just below the inguinal ligament to compress the external iliac/femoral artery

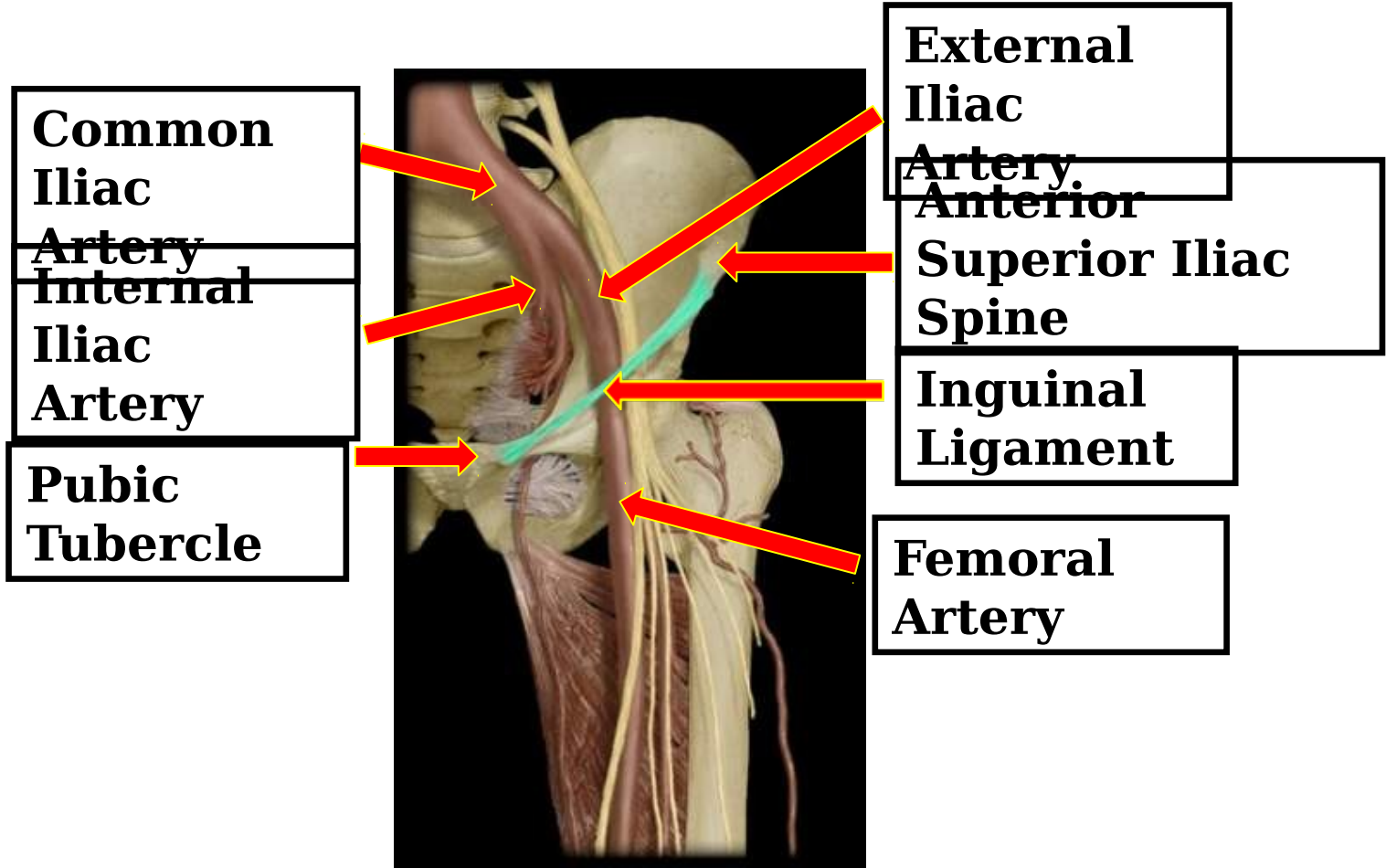


Superficial Anatomy of the Groin





Anatomy of the Inguinal Region



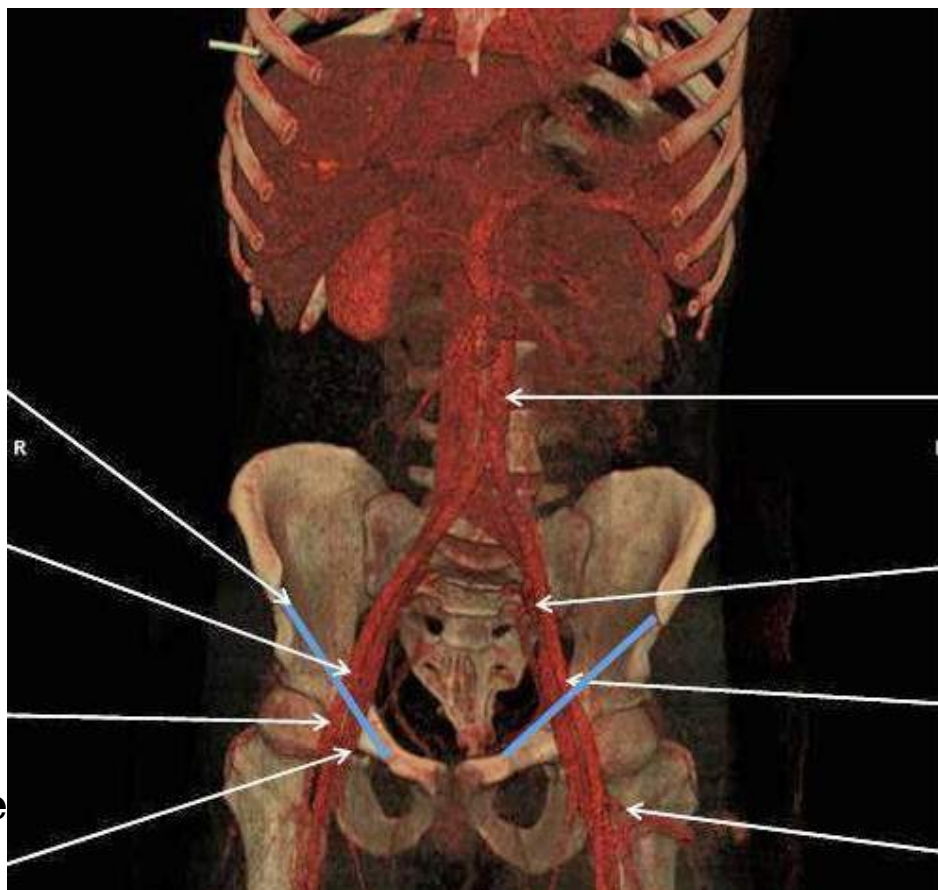


Vascular Anatomy of the Abdomen and Groin

Inguinal Ligament

Ext. iliac a. passing under inguinal lig.

**Common femoral a. passing into the leg
Common femoral vein passing into the leg**



Aorta posterior on the spine

**Int. iliac a. bifurcates from common iliac a.
Ext. iliac a. rising out of pelvis**

Bifurcation of common femoral a. into superficial femoral a. and femoral profunda a.

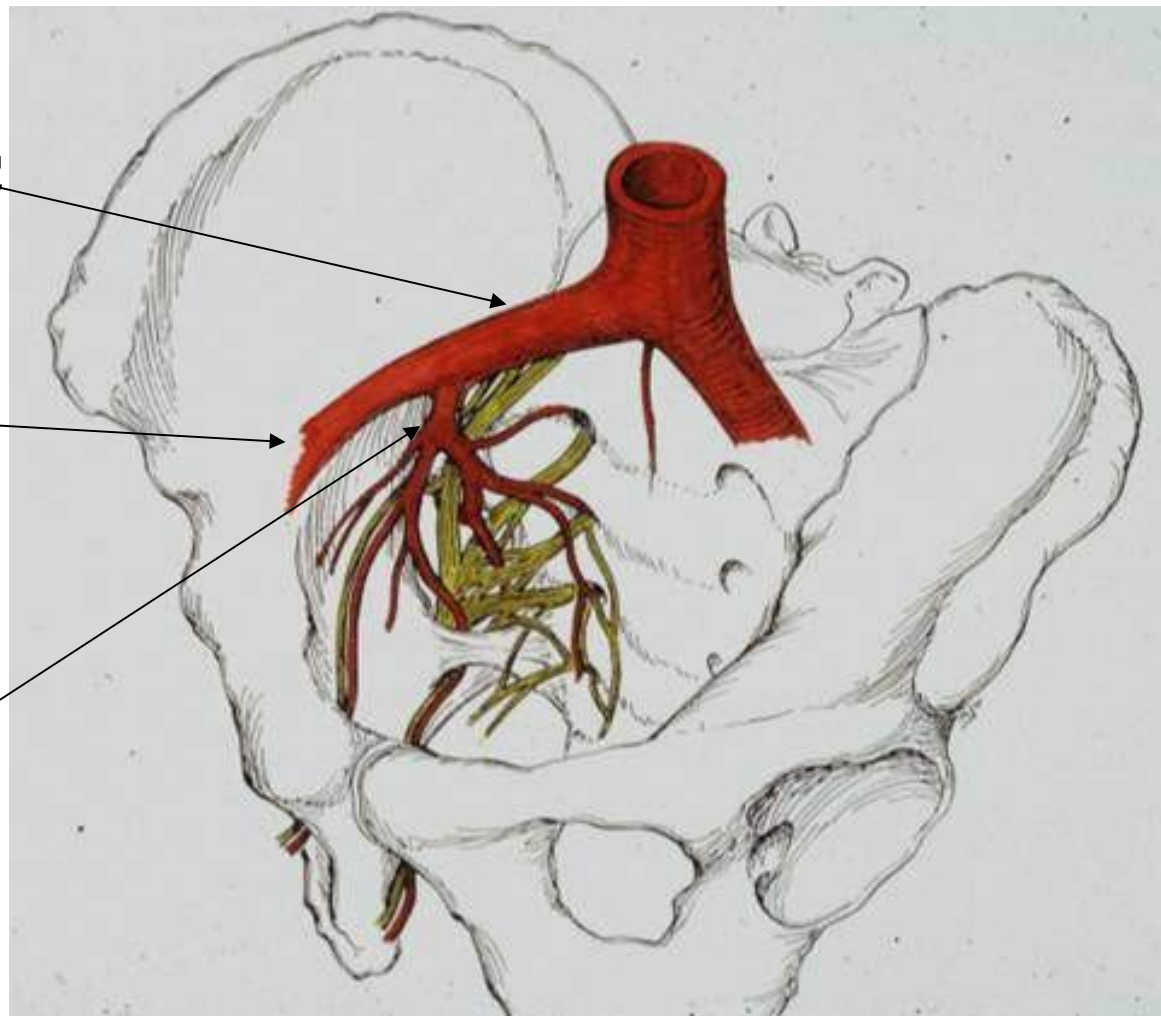


Anatomy of the Iliac Arteries

Common Iliac

External iliac

Internal iliac





CRoC Application: Direct Pressure Method



- Position the base plate under the casualty beneath the desired pressure point.
- Ensure the vertical arm is in contact with the casualty on the wound side in close proximity to the wound location.



CRoC Application: Direct Pressure Method



- Adjust the horizontal arm to position the disc head directly on the location of the most severe bleeding.



CRoC Application: Direct Pressure Method



- Adjust the vertical arm downward to ensure the disc head contacts the casualty directly on the location of the most severe bleeding.



CRoC Application: Direct Pressure Method



- Apply increasing pressure to the most severe bleeding point by turning the “T” handle clockwise.
- Continue increasing the pressure until the bleeding stops.



CRoC Application: Direct Pressure Method



- Attach securing strap.



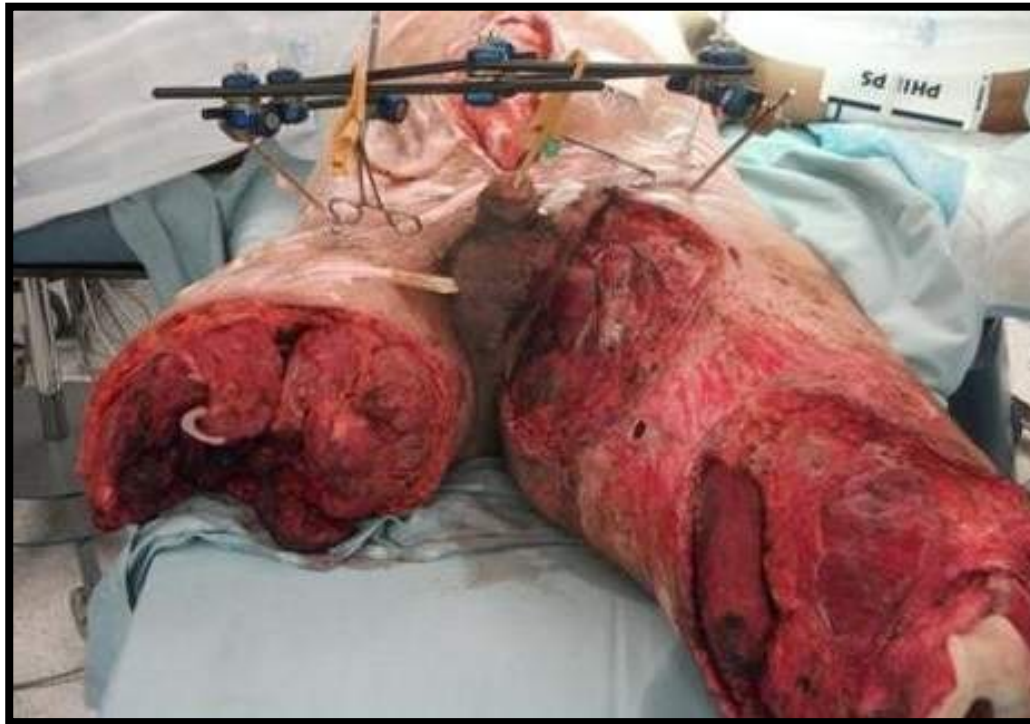
CRoC Application: Direct Pressure Method



- Write the time of application on the label.
- Note time of application on TCCC card.



CRoC Application: Proximal Pressure Method





CRoC Application: Proximal Pressure Method



- Locate the pubic tubercle.
- Locate the anterior superior iliac spine (ASIS).
- Between these points is the inguinal fold. Find the mid-point of the line halfway between these two landmarks.



CRoC Application: Proximal Pressure Method



- Place the disc head of the CRoC just medial and distal to this midpoint (over the femoral pulse).
- Tighten as previously directed.
- Ensure that the bleeding has stopped



CRoC Application: Proximal Pressure Method



- Write the time of application on the label.
- Note time of application on the TCCC card.



Litter Positioning of Casualty with CRoC Applied

To get the casualty on a litter:

- Roll the casualty onto the side opposite the CRoC.
- Position the litter behind the casualty.
- Roll or lift casualty onto litter.

Note:

- Ensure that the CRoC does not create additional discomfort for the casualty via his body weight pressing on the device.
- Casualty should be transported on the



CRoC Properly Applied





CRoC Improperly Applied





Continued Reassessment!

- Once applied, the CRoC, as well as the casualty's other hemorrhage control interventions, must be frequently reassessed to assure continued hemorrhage control.
 - **DO NOT EVER APPLY IT AND FORGET IT!**



CRoC Application

CRoC
Training Video

